

Poster Session (P)

Poster Lunch (1)

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STUDY ON COMPOSTING OF SOLID WASTE IN 180-DAY INTERGRATED EXPERIMENT ON  
CONTROLLED ECOLOGICAL LIFE SUPPORT SYSTEM (CELSS)

**Abstract**

In 180-day intergrated experiment, feces and part of crop stalks were composed by microbial fermentation. These solid waste went through 20-day collection in the primary reactor and 20-day fermentation in the second reactor. The treatment system ran smoothly during the experiment. Nine batches of materials in total were treated include 94.4 kilograms feces and 96.26 kilograms crop stalks. The material conductivity and ash content increased during the fermentation, while the weight of these solid waste decreased obviously which reflect good fermentative properties. All the seed germination index of the product was higher than 85